

Converting Colors

CIELCh(47, 58.862, 297.235)

Have a look what the booklet for
CIELCh(47, 58.862, 297.235)
contains.

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Color

CIELCh(47, 58.950, 297.197)

Conversions

Conversions Part 1

Format	Color
Hex	6364C8
RGB	99, 100, 200
RGB Percent	39%, 39%, 78%
CMY	0.6105, 0.6068, 0.2145
CMYK	0.50, 0.50, 0.00, 0.21
HSL	239°, 48%, 59%
HSV	239°, 50%, 79%
XYZ	20.2227, 16.0195, 56.8562
YIQ	111.1010, -32.6960, 30.8880

Conversions

Conversions Part 2

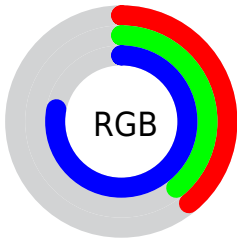
Format	Color
R _Y B	99, 100, 200
Decimal	6513864
CIE Lab	47.00, 26.94, -52.43
CIE LCh	47, 58.950, 297.197
Yxy	16.0195, 0.2172, 0.1721
Android (android.graphics.Color)	4284703944 (0xFF6364C8)
YUV	111.1010, 43.8272, -10.6126
Hunter-Lab	40.0243, 20.1465, -56.2070

Details

The CIELCh color $47, 58.950, 297.197$ is a dark color, and the websafe version is hex $6666CC$. A complement of this color would be $79, 51.368, 104.995$, and the grayscale version is $47, 0.006, 296.813$.

A 20% lighter version of the original color is $67, 57.515, 297.155$, and $27, 59.143, 297.340$ is the 20% darker color. If you saturate the color by 10%, you get $41, 71.971, 299.350$, and if you desaturate by 10%, it is $54, 46.279, 295.257$.

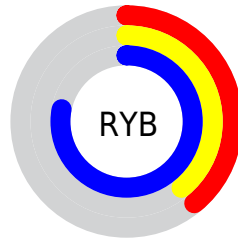
Distribution



Red (39%)

Green (39%)

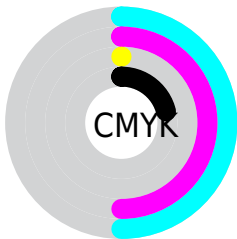
Blue (78%)



Red (39%)

Yellow (39%)

Blue (78%)

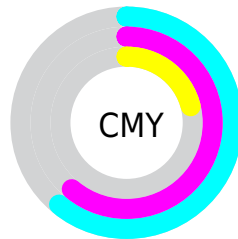


Cyan (50%)

Magenta (50%)

Yellow (0%)

Black (21%)



Cyan (61%)

Magenta (61%)

Yellow (21%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 47, 58.950, 297.197 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.


Similar to the brightness gradients but the following saturation gradients show a change of the CIELCh color 47, 58.950, 297.197 by changing the saturation by 10% instead.


 47, 58.950,
297.197


 47, 58.950,
297.197


 100, 58.950,
297.197


 37, 58.950,
297.197

 67, 58.950,
297.197


 27, 58.950,
297.197

 77, 58.950,
297.197

 17, 58.950,
297.197

 87, 58.950,
297.197

 7, 58.950, 297.197

 97, 58.950,
297.197

 0, 58.950, 297.197

 47, 58.950,

 47, 58.950,

297.197

■ 41, 71.971,
299.350

■ 35, 84.917,
301.593

■ 30, 96.802,
303.687

■ 26, 105.967,
305.295

■ 24, 111.149,
306.184

297.197

■ 54, 46.279,
295.257

■ 60, 34.095,
293.566

■ 67, 22.414,
292.119

■ 74, 11.212,
290.892

■ 80, 0.452, 289.993

■ 87, 9.899, 108.949

■ 94, 19.872,
108.197

■ 99, 27.582,
108.083

Harmonies

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



47, 58.950, 297.197



79, 51.368, 104.995

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



47, 58.950, 297.197



47, 58.950, 347.197



47, 58.950, 117.197



47, 58.950, 167.197

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



47, 58.949, 297.198



88, 19.820, 291.455



75, 30.883, 195.433



45, 13.581, 291.721



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



47, 58.949, 297.198



51, 88.598, 299.674



51, 60.266, 311.109



38, 6.055, 290.776



19, 95.366, 306.155



1, 21.366, 291.511

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



54, 44.176, 24.516



63, 66.708, 27.309



75, 55.759, 126.153



39, 4.278, 19.158



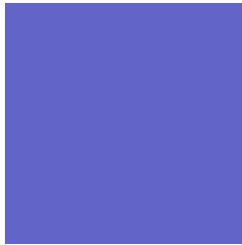
34, 74.262, 39.397



3, 15.887, 18.915

Previews

White Background



This preview shows how the CIELCh color 47, 58.950, 297.197 looks on a white background.

Color Contrast Check

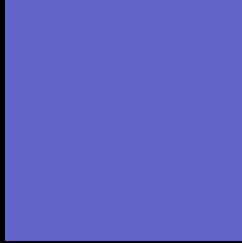
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIE LCh color 47, 58.950, 297.197 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

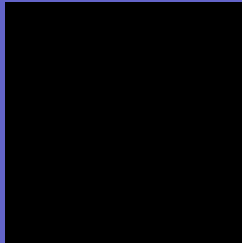
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 47, 58.950, 297.197

Background



This preview shows how black text looks on a background with the CIELCh color 47, 58.950, 297.197.

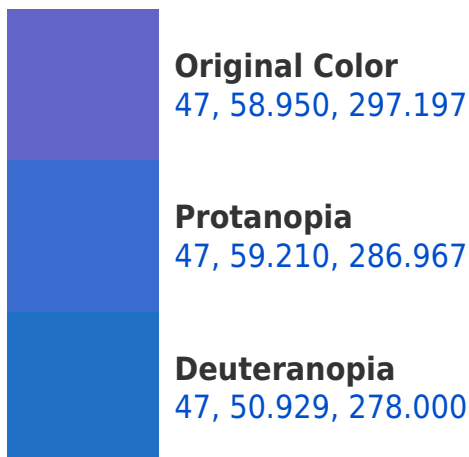


This preview shows how white text looks on a background with the CIELCh color 47, 58.950, 297.197.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy





Tritanopia
47, 15.119, 218.786

Trichromacy



Original Color
47, 58.950, 297.197

Protanomaly
47, 59.043, 290.203

Deuteranomaly
47, 53.718, 284.369

Tritanomaly
47, 25.921, 274.021

Monochromacy



Original Color
47, 58.950, 297.197

Achromatopsia
47, 0.006, 296.813

Achromatomaly
46, 21.388, 293.044

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 47, 58.950, 297.197 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(99, 100, 200)` looks like.

```
.text, #text, p{  
    color:rgb(99, 100, 200)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(99, 100, 200) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(99, 100, 200) }
```

Border

The CSS property to change the border of an element to CIELCh 47, 58.950, 297.197 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(99, 100, 200) }
```

If only the border color should be changed use the property border-color.

```
.border{ border-color:rgb(99, 100, 200) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel rgb(99, 100, 200) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(99, 100, 200); -webkit-box-  
shadow:4px 4px 4px 4px rgb(99, 100, 200);  
box-shadow:4px 4px 4px 4px rgb(99, 100,  
200) }
```

Background

The CSS property to change the background color of an element to CIELCh 47, 58.950, 297.197 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(99, 100, 200) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(99, 100,  
200) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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